



Weapon System Impact Tool

<https://wsit.xsb.com>

DoD Standardization Conference
March 14, 2007

Joe Delorie, DSPO

Tue, Mar 13, 2007

ASSIST database last updated: Mar 12, 2007

What's New? (updated Jul 14, 2006)



- Doc Analysis
- Doc Management
- Review Drafts
- DoD Contacts
- DoD Projects
- HAZMATs / ODCs
- DIDs
- ISAs
- Acq Analysis
- Qualification
- WSIT
- PMT

- User Profile
 - Administration
 - Report Library
 - FAQs
 - NGS Adopted
 - Main Menu
 - Logout
-
- DSP Home Page
 - NSSN Search
 - Shopping Wizard
 - XML Download

Admin Modules

- ▶ Submit Document
- ▶ User Feedback
- ▶ FSC Distribution
- ▶ ISA Maintenance
- ▶ Project Maint



acquisition streamlining and standardization information system
Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA
19111-5094.

If you have any questions, please contact the appropriate ASSIST-Help Desk team:
Account/Password Issues: 215-897-6396 or 215-897-6257 [DSN: 442-6396 or 442-6257]. Questions or comments: [ASSIST Feedback](#).



ASSIST

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The Official Source of
DoD Standards
and Specifications



Welcome JOE DELORIE

- » email: joseph.delorie@dla.mil
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Internet



Weapon System Impact Tool

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* Password

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Weapon System Impact Tool

Registration

W.S.I.T. Registration Form

First Name *	<input type="text"/>
Last Name *	<input type="text"/>
Email Address *	<input type="text"/>
Confirm Email Address *	<input type="text"/>
Phone Number *	<input type="text"/>
Access Justification *	<div style="border: 1px solid #ccc; height: 100px; width: 100%;"></div>
255 characters left.	
U.S. DoD Employee ? *	<input type="radio"/> Yes <input checked="" type="radio"/> No
U.S. DoD POC Email	<input type="text"/>
U.S. DoD POC Phone	<input type="text"/>

255 characters left.

Yes No

U.S. DoD DoC Email

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[Submit](#)

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Examples of Use

- Standardization
 - If MIL-A-8625 were to be changed or cancelled, what is the overall impact on the F-15?
- Part obsolescence
 - If a manufacturer no longer supplies an o-ring that conforms to MIL-P-25732C, how does that affect my ability to support my weapon system?
- Quality/safety
 - If, on the F-14, a certain titanium bolt that was tested under MIL-B-87114 fails, what other items on this weapon system were tested using that standard?



Coherent View

- Advanced software for mining and reasoning about jargon-rich unstructured text
 - Artificial intelligence and parsing techniques to structure legacy data
- Contains data from
 - Federal Logistics Information System (FLIS)
 - Standard Automated Material Management System (SAMMS)
 - Business System Modernization (BSM)
 - And others...
- WSIT automatically structures and combines information from these rich data sources into a coordinated picture of relationships between specifications and weapon systems.



Weapon System Impact Tool

Query By: NSN | Specification | WSDC | Specification & WSDC

[WHAT'S NEW](#)

Enter a National Stock Number or Specification Document Number or Weapon System Designator Code

(Sample Inputs: 02F (WSDC) or MIL-STD-130L (Specification) or 5340000000057 (National Stock Number))

 Lookup: National Stock Number, Specification Document, Weapon System Designator Code [Help us make WSIT better, click here.](#)

Query History

Today

[\[None\]](#)

Yesterday

[\[None\]](#)

Older

[\[None\]](#)

Advanced search types:

Query by National Stock Number (NSN)

Query by NSN allows the user to view all weapon systems the NSN is used in along with the specification documents that govern the use. The results returned by the query include the specification document number, the weapon system designator code and descriptions for each.

Query by Specification Document Number

This query allows the user to view all the weapon systems affected by a specification. The results returned by the query include the specification document number, a description of the specification, along with the designator code and description for the weapon system. The results returned by the query include the WSDC, a description of the weapon system, and the number of NSNs in the weapon system affected by the specification.

Query by Weapon System Designator Code (WSDC)

Query by WSDC allows the user to view all specifications which govern the parts in the weapon system. The results returned by the query include the specification document number, a description of the specification, and the number of NSNs in the weapon system governed by the specification.

Query by Specification Document Number & Weapon System Designator Code (WSDC)

This query allows the user to view all the NSNs affected by a document in a weapon system. The results returned by the query include the NSN, information about where the relationship. The user also has the opportunity to view the underlying raw data.

Follow the [help link](#) for more examples and documentation.

Query by Weapon System Designator Code

Search Criteria

* **Weapon System Designator Code (WSDC)**

[WSDC Lookup](#)

Query Filters

[Search WSIT](#) [Cancel](#) [Help](#)

[Specifications \(15,946\)](#)

[National Stock Numbers \(132,678\)](#)

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Weapon System Designator Code (WSDC) [\[?\]](#)

Weapons System Description

19F

AIRCRAFT, EAGLE F-15

Service

Air Force

Weapons System Type

AIRCRAFT

Weapon System Group Code (WSGC) [\[?\]](#)

Most critical/highest priority weapon system or end item. (A)

Program Manager [\[?\]](#)

Warner Robins Air Logistics Center (WR-ALC)

Location [\[?\]](#)

Robins Air Force Base, Georgia

Results 1 - 50 of 15,946

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Weapon System Designator Code : 19F :: AIRCRAFT, EAGLE F-15

#	Specification Document Number [?] ▲ ▼	Document Description [?] ▲ ▼	No. of NSN References [?] ▲ ▼
1	QAP-EQ001 [doc]	No title found.	19,246
2	ASQC-Z1.4 [doc]	PROCEDURES, SAMPLING AND TABLES FOR INSPECTION BY ATTRIBUTES	15,388
3	MIL-STD-130K [doc]	IDENTIFICATION MARKING OF U.S. MILITARY PROPERTY	14,523
4	QAP-EQ002 [doc]	No title found.	12,725
5	MIL-STD-130M [doc]	IDENTIFICATION MARKING OF U.S. MILITARY PROPERTY	9,661
6	QAP-EQ003 [doc]	No title found.	9,636
7	QAP-01075 [doc]	No title found.	9,078
8	QAP-01129 [doc]	No title found.	8,840
9	QAP-001 [doc]	ABCA TERRAIN DATA CATALOG (W/AMD 1)	7,301
10	QQ-P-416 [doc]	PLATING, CADMIUM (ELECTRODEPOSITED) (S/S BY SAE-AMS-QQ-P-416)	6,187
11	QQ-P-35 [doc]	PASSIVATION TREATMENTS FOR CORROSION-RESISTANT STEEL (S/S BY ASTM-A967 OR SAE-AMS-QQ-P-35)	4,301
12	MIL-R-55182 [doc]	RESISTORS, FIXED, FILM, ESTABLISHED RELIABILITY, STYLE RN*56 1/ (FOR NEW DESIGN USE MIL-PRF-55182/1)	4,037
13	QAP-003 [doc]	No title found.	3,460
14	FED-STD-313 [doc]	MATERIAL SAFETY DATA, TRANSPORTATION DATA AND DISPOSAL DATA FOR HAZARDOUS MATERIALS FURNISHED TO GOVERNMENT ACTIVITIES	3,160
15	FED-STD-H28/20 [doc]	SCREW-THREAD STANDARDS FOR FEDERAL SERVICES SECTION 20 INSPECTION METHODS FOR ACCEPTABILITY OF UN, UNR, UNJ, M, AND MJ SCREW THREADS	3,011
16	QAP-002 [doc]	No title found.	2,718
17	MIL-A-8625 [doc]	ANODIC COATINGS FOR ALUMINUM AND ALUMINUM ALLOYS	2,433

Search Criteria

* Specification Document Number Spec LookupQuery Filters Specification Document Number[\[?\]](#)Document Description[\[?\]](#)

MIL-P-25732C

PACKING, PREFORMED, PETROLEUM HYDRAULIC FLUID RESISTANT, LIMITED SERVICE AT 275 DEG. F (135 DEG. C)

Document Scope[\[?\]](#)

This specification covers O-ring packings for use with petroleum based hydraulic fluids conforming to MIL-H-5606 and MIL-H-83282 over the temperature range of -65 Deg. to 275 Deg. F (-54 Deg. to 135 Deg. C).

Document Date[\[?\]](#)

2003-08-07 00:00:00

FSC Area[\[?\]](#)

Packing and Gasket Materials (5330)

Preparing Activity[\[?\]](#)

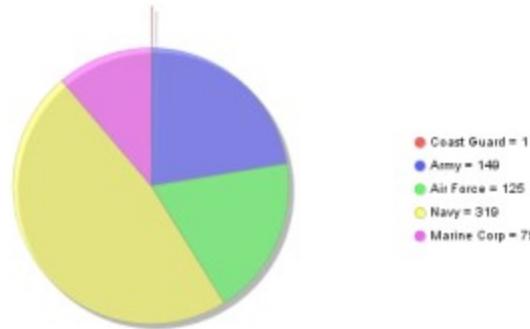
Aeronautical Systems Center (11)

Distribution Code[\[?\]](#)

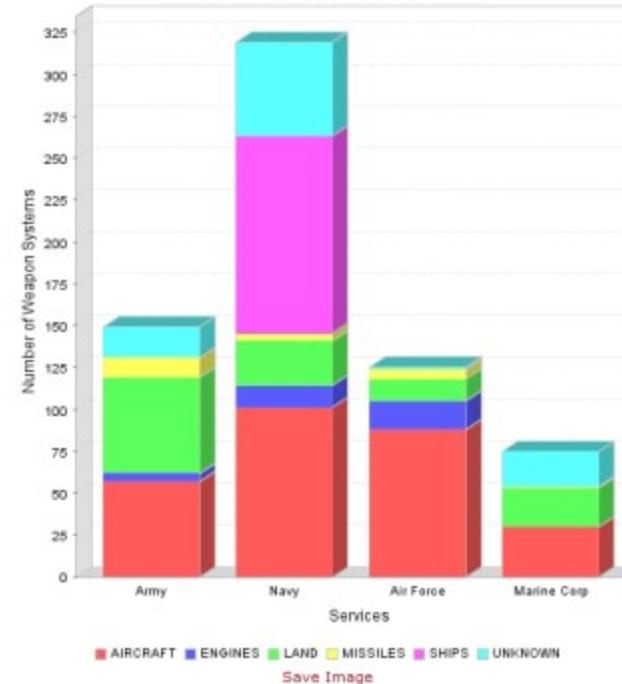
Approved for public release; distribution is unlimited. (A)

NOTE: More information about this document can be found on the ASSIST website MIL-P-25732C [\[doc\]](#)

Weapon Systems Per Service

[Save Image](#)

Weapon Types Per Service



Query by Specification Document Number

Search Criteria

* Specification Document Number [Spec Lookup](#)

Query Filters

[Search WSIT](#) [Cancel](#) [Help](#)

[Weapon Systems \(689\)](#) [National Stock Numbers \(904\)](#) [Download Report](#)

Specification Document Number [\[?\]](#) MIL-P-25732C

Document Description [\[?\]](#) PACKING, PREFORMED, PETROLEUM HYDRAULIC FLUID RESISTANT, LIMITED SERVICE AT 275 DEG. F (135 DEG. C)

This specification covers O-ring packings for use with petroleum based hydraulic fluids conforming to MIL-H-5606 and MIL-H-83282 over the temperature range of -65 Deg. to 275 Deg. F (-54 Deg. to 135 Deg. C).

Document Scope [\[?\]](#)

Document Date [\[?\]](#) 2003-08-07 00:00:00.0

FSC Area [\[?\]](#) Packing and Gasket Materials (5330)

Preparing Activity [\[?\]](#) Aeronautical Systems Center (11)

Distribution Code [\[?\]](#) Approved for public release; distribution is unlimited. (A)

NOTE: More information about this document can be found on the ASSIST website [MIL-P-25732C \[doc\]](#)

Top 10 Federal Supply Classes



O-RING (5331) = 693	PACKING AND GASKET MATERIALS (5330) = 141
UNKNOWN CLASS (0000) = 17	VALVES, NONPOWERED (4820) = 9
HOSE, PIPE, TUBE, LUBRICATION, AND RAILING FITTINGS (4730) = 6	
MISCELLANEOUS VEHICULAR COMPONENTS (2560) = 4	
VEHICULAR BRAKE, STEERING, AXLE, WHEEL, AND TRACK COMPONENTS (2530) = 4	
MISCELLANEOUS POWER TRANSMISSION EQUIPMENT (3040) = 3	
POWER AND HAND PUMPS (4320) = 3	
VEHICULAR POWER TRANSMISSION COMPONENTS (2520) = 3	

[Save Image](#)

Top 10 Item Name Codes



O-RING (47946) = 687	PACKING,PREFORMED (D4621) = 103	UNKNOWN INC (0000) = 46
GASKET (04522) = 5	CYLINDER ASSEMBLY,ACTUATING,LINEAR (31310) = 3	
SEAL,NONMETALLIC ROUND SECTION (36873) = 3		
VALVE,REGULATING,FLUID PRESSURE (27566) = 3		
COUPLING HALF,QUICK DISCONNECT (18081) = 2		
FILTER,FLUID (32622) = 2		
PACKING (77777) = 2		

[Save Image](#)

11

Query by Specification and WSDC

Search Criteria

* Specification Document Number

 Spec Lookup

* Weapon System Designator Code (WSDC)

 WSDC Lookup

Query Filters

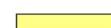
Results 1 - 28 of 28

[Download](#)

Specifications Document Number : MIL-B-87114 :: BOLTS, RECESS DRIVE, GENERAL SPECIFICATION FOR (S/S BY NAS4002 AND NAS4003) AND Weapon System Designator
Code : 10N :: AIRCRAFT, TOMCAT F-14

[Print](#)

#	National Stock Number (NSN)	Item Name (INC)	Relationship {RNCC,RNVC}
1	i 5305-00-099-7659 [Context]	SCREW,MACHINE (06657)	
2	i 5305-00-139-3223 [Context]	SCREW,MACHINE (06657)	
3	i 5305-00-159-5556 [Context]	SCREW,MACHINE (06657)	
4	i 5305-00-262-0356 [Context]	SCREW,MACHINE (06657)	
5	i 5305-00-288-2457 [Context]	SCREW,CLOSE TOLERANCE (29294)	
6	i 5305-00-316-8123 [Context]	SCREW,MACHINE (06657)	
7	i 5305-00-889-2658 [Context]	SCREW,CAP,SOCKET HEAD (16282)	
8	i 5305-00-917-6278 [Context]	SCREW,CLOSE TOLERANCE (29294)	
9	i 5305-01-010-3680 [Context]	SCREW,MACHINE (06657)	
10	i 5305-01-014-8455 [Context]	SCREW,MACHINE (06657)	
11	i 5305-01-043-1860 [Context]	SCREW,MACHINE (06657)	
12	i 5305-01-057-9328 [Context]	SCREW,CLOSE TOLERANCE (29294)	
13	i 5305-01-063-5060 [Context]	SCREW,CLOSE TOLERANCE (29294)	
14	i 5305-01-076-3163 [Context]	SCREW,CAP,SOCKET HEAD (16282)	
15	i 5305-01-112-1755 [Context]	SCREW,CLOSE TOLERANCE (29294)	
16	i 5305-01-160-1963 [Context]	SCREW,MACHINE (06657)	
17	i 5305-01-168-1756 [Context]	SCREW,CLOSE TOLERANCE (29294)	
18	i 5305-01-180-4758 [Context]	SCREW,CLOSE TOLERANCE (29294)	
19	i 5305-01-193-6860 [Context]	SCREW,CLOSE TOLERANCE (29294)	
20	i 5305-01-194-7061 [Context]	SCREW,CLOSE TOLERANCE (29294)	
21	i 5305-01-313-8057 [Context]	SCREW,MACHINE (06657)	
22	i 5305-01-349-5262 [Context]	SCREW,MACHINE (06657)	
23	i 5305-01-360-9161 [Context]	SCREW,CLOSE TOLERANCE (29294)	
24	i 5305-01-360-9163 [Context]	SCREW,CLOSE TOLERANCE (29294)	
25	i 5305-01-365-0863 [Context]	SCREW,MACHINE (06657)	
26	i 5305-01-374-9825 [Context]	SCREW,CLOSE TOLERANCE (29294)	{4,1} A non-definitive R/N developed from a government specification or standard which is not item identifying.
27	i 5305-01-374-9918 [Context]	SCREW,MACHINE (06657)	{4,1} A non-definitive R/N developed from a government specification or standard which is not item identifying.
28	i 5305-01-416-5258 [Context]	SCREW,CLOSE TOLERANCE (29294)	



This is the **controlling specification** for the specified National Stock Number (NSN).



This specification has a **registered relationship** with the specified National Stock Number (NSN).



Source Context

Weapon System Impact Tool

SAVE

National Stock Number (NSN)	5305010103680 SCREW,MACHINE	
Specification Document Number	MIL-B-87114	BOLTS, RECESS DRIVE, GENERAL SPECIFICATION FOR (S/S BY NAS4002 AND NAS4003)
Weapon System Designator Code (WSDC)	10N	AIRCRAFT, TOMCAT F-14

Specification Document Number Context

This specification was found by doing a text scan. The source information was found in **the CTDF Procurement Identification Description** [\[?\]](#), and is maintained **in the Contract Technical Data File (CTDF)** [\[?\]](#) at Defense Industrial Supply Center .

Line Text [\[?\]](#)

SCREW, MACHINE
CRES, PASSIVATED
QUALITY CONFROMANCE SHALL BE I/A/W
MIL-B-87114 EXCEPT AS NOTED ON THE
AIA (NAS) STANDARD

Weapon System Context

This weapon system was found using a lookup query. The source information was found in **the BSM Weapon Systems table** [\[?\]](#), and is maintained **in the Business Modernization System (BSM)** [\[?\]](#).

This weapon system was found using a lookup query. The source information was found in **the CTDF Weapon Systems table** [\[?\]](#), and is maintained **in the Contract Technical Data File (CTDF)** [\[?\]](#) at Defense Industrial Supply Center .

Query by National Stock Number

Search Criteria

* National Stock Number (NSN)

NSN Lookup

Query Filters

[Specifications \(13\)](#)

[Weapon Systems \(9\)](#)

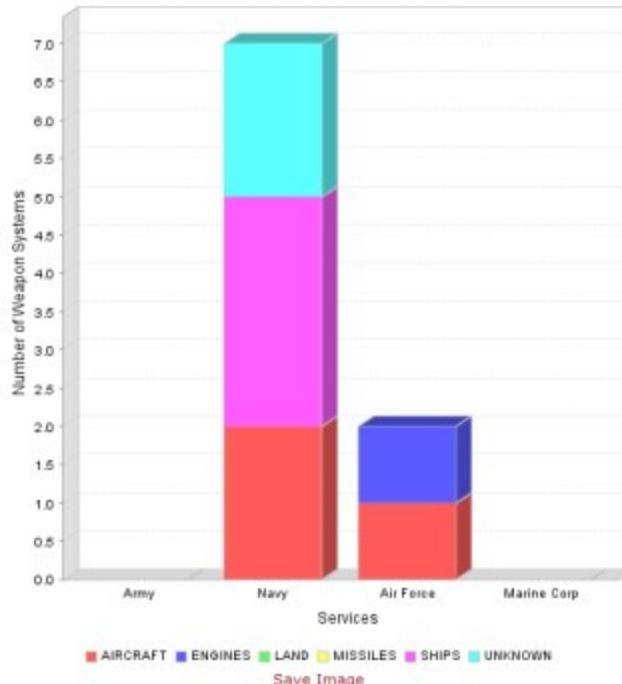
[Specifications & Weapon System \(135\)](#)

[Procurement History \(6\)](#)

[Download Report](#)

National Stock Number (NSN)?	5305-01-010-3680
Item Name	SCREW,MACHINE (06657)
Center?	Defense Industrial Supply Center (I)
Status?	Item is active. File data coded KFD is forwarded. If this KFD data represents your item of supply, submit, if applicable, an LAD, LAU, or LCU transaction. Otherwise, use the National Stock Number (NSN) in your supply system. (D)
Annual Demand Quantity?	550
Annual Demand Frequency?	3
Weapon System Group Code (WSGC)?	Unknown
Weapon System ESSEN Code?	Unknown
Flight Safety Indicator?	Unknown
First Article Testing Indicator?	N
Qualified Product List Code?	

Weapon Types Per Service





Weapon System Impact Tool

- **Easy to use automated system providing correlation between standardization documents and weapon systems**
- **Standardization.**
 - If MIL-A-8625 were to be changed or cancelled what is overall impact on the F-15?
 - MIL-A-8625 affects more than 2,400 parts on the F-15
- **Part obsolescence.**
 - If a manufacturer no longer supplies an o-ring that conforms to MIL-P-25732C, how does that affect my ability to support my weapon system?
 - Parts conforming to MIL-P-25732C are used on 689 different weapon systems
- **Quality/safety.**
 - If, on the F-14, a certain titanium bolt that was tested under MIL-B-87114 fails, what other items on this weapon system were tested using that standard?
 - 28 NSNs (mostly machine screws) on the F-14 are subject to MIL-B-87114



Future Versions

- Ontology of specifications
 - Better support for OEM specifications
 - Better understanding of the knowledge that specifications imply about the parts which they govern
- Next higher assembly information
 - Where on the weapon system a NSN is used.
 - Sub-systems and components will be obtained from the IETM structure
- Information from service level database
 - Currently limited to DLA (Purple) databases

Questions?



Weapon System Impact Tool

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<https://wsit.xsb.com>

To request access (non-DoD),
Contact: Ronald Zabielski, DSPO
703-767-687
E-mail: ronald.zabielski@dla.mil